

## EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 03034400  
 PUBLICATION DATE : 14-02-91

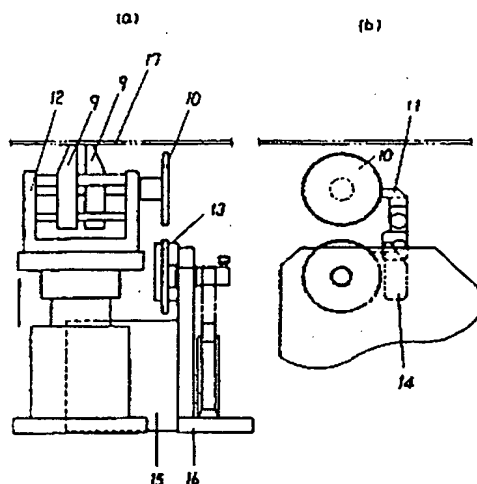
APPLICATION DATE : 29-06-89  
 APPLICATION NUMBER : 01169327

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : IMAI SEI;

INT.CL. : H05K 13/04 B23P 21/00

TITLE : ELECTRONIC COMPONENT FIXING  
 DEVICE OF ELECTRONIC  
 COMPONENT AUTOMATIC INSERTING  
 DEVICE



ABSTRACT : PURPOSE: To enable the switch of a component fixing block in pitch in a short time without increasing an anvil in weight by a method wherein a first and a second gear are engaged with each other and the lock of the first gear is released when the anvil is at a normal position, and the first and the second gear are disengaged from each other and the rotation of the first gear is controlled by the lock when the anvil is at an electronic component fixing position.

CONSTITUTION: An anvil 12 is made to ascend up to the underside of a printed wiring board 17 to fix an electronic component. At this point, the fixing of the component is carried out keeping a first gear 10 in such a state that its rotation is controlled by a lock 11. Next, as the anvil 12 is made to descend, the first gear 10 and a second gear 13 are engaged with each other and concurrently the lock 11 fixing the rotation of the first gear 10 and a releasing block 14 provided to a pitch switching section 16 are made to bear against each other to release the control of the gear 10 in rotation, and the second gear 13 given a rotational drive by a drive section 15 transmits a rotational drive to the first gear 10 engaged with it to enable component fixing blocks 9 to approach to or recede from each other to switch the blocks 9 in pitch.

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